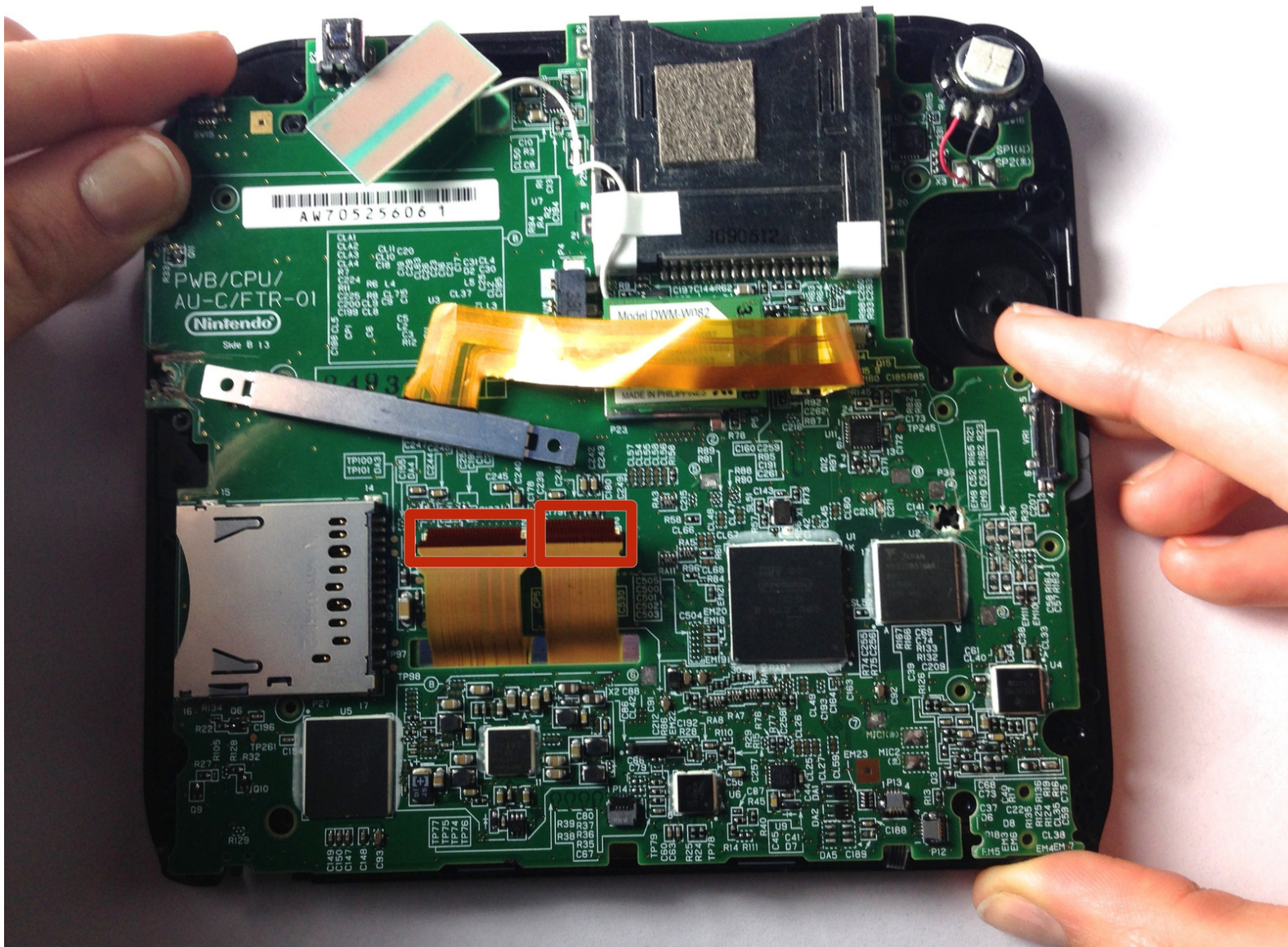




# Nintendo 2DS Motherboard Replacement

This guide will accomplish the replacement of the Motherboard for the Nintendo 2DS.

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## INTRODUCTION

The motherboard houses all the internal circuitry of the Nintendo 2DS, and the utmost caution must be taken when disassembling it. Be certain not to strip any screws, as that damage may be impossible to fix.

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### TOOLS:

- [Phillips #000 Screwdriver](#) (1)
-

## Step 1 — Battery



- Using the #000 screwdriver, unscrew the two 1.587 mm Phillips screws on the upper rear panel.

ⓘ The screws will not completely detach from the back panel.

## Step 2



- Hinge the upper rear panel upwards and outwards to remove it.



## Step 3



- Remove the battery from its housing by lifting it up from the side closest to the outside edge.

## Step 4 — Rear Panel



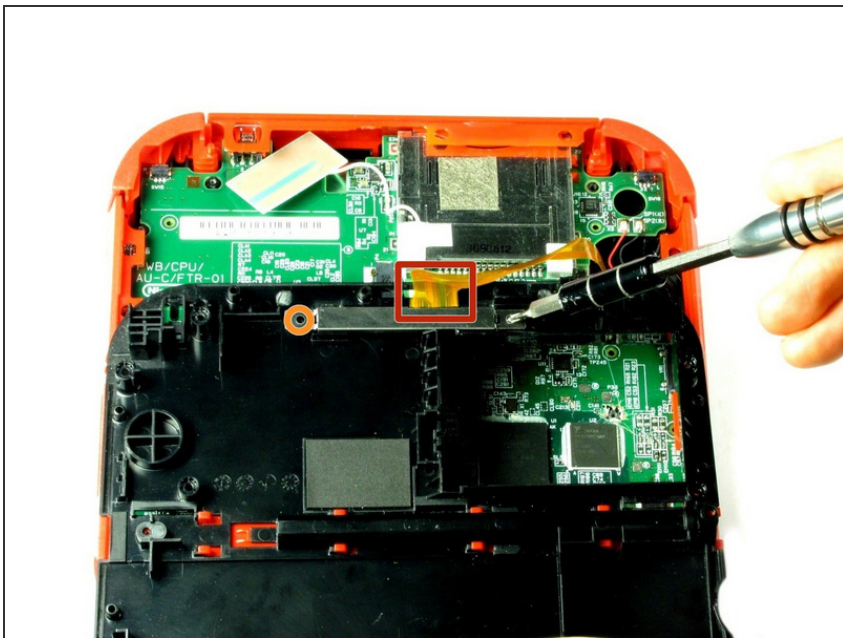
- Using the #000 Phillips screwdriver, unscrew the ten black 1.587 mm Phillips #000 screws attaching the rear panel.

## Step 5



- i The rear panel is attached to the motherboard by a ribbon cable, so be careful not to lift the rear panel too far from the device.
- Carefully pull the rear panel straight up from the device.

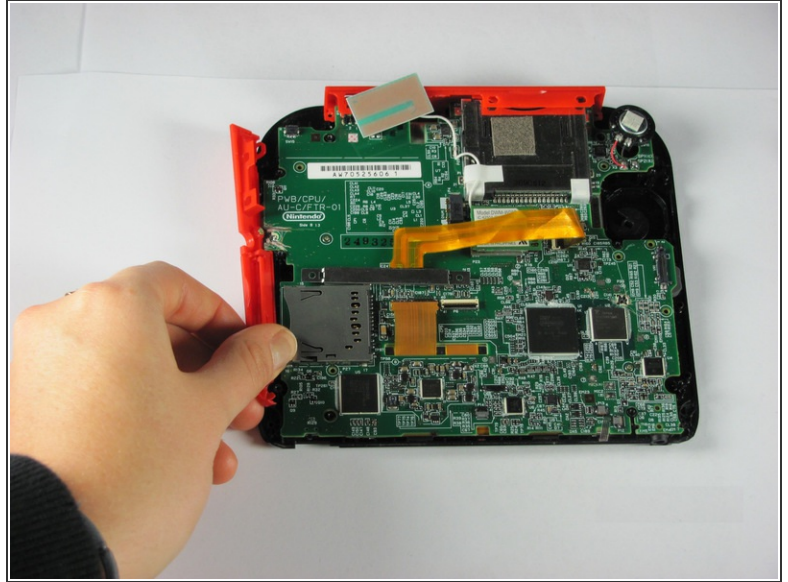
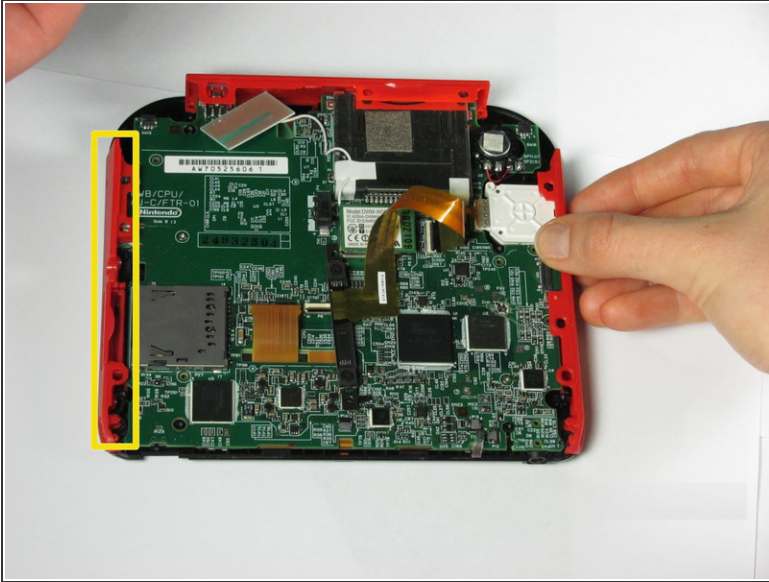
## Step 6



- Carefully flip the back panel over to locate the attached ribbon cable.
- Use the Phillips #000 screwdriver to unscrew the two .793 mm Phillips #000 screws attaching the ribbon cable to the rear panel.
- i Take the opportunity to remove the Left and Right triggers, they have hinges that may break and springs that may jump away.



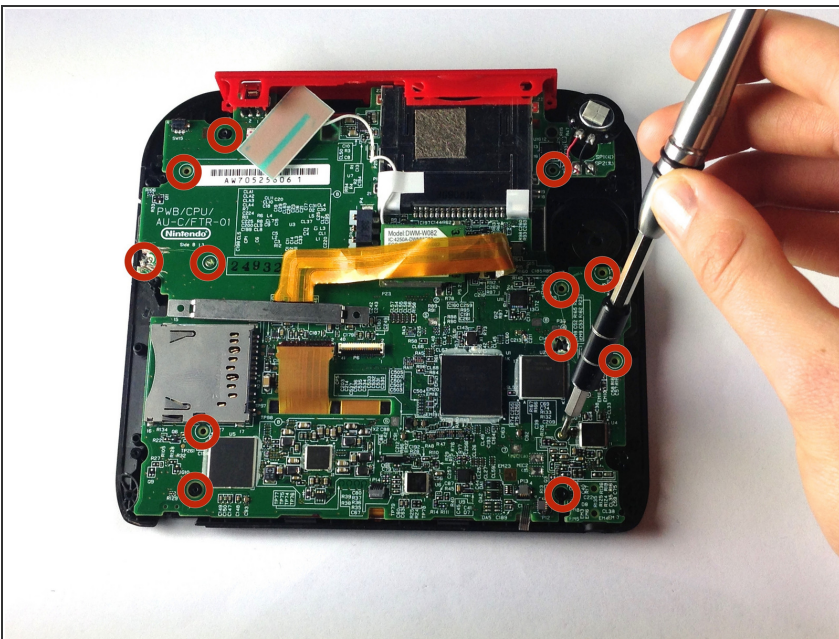
## Step 7 — Remove Side Panels



- Hold the side panels of the device's case with your fingers and pull outward to remove them.

**i** The panels should come off easily with little force required.

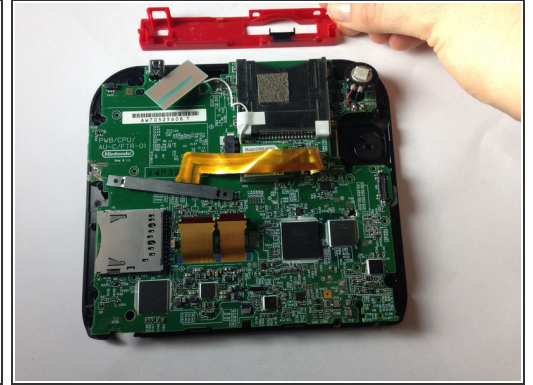
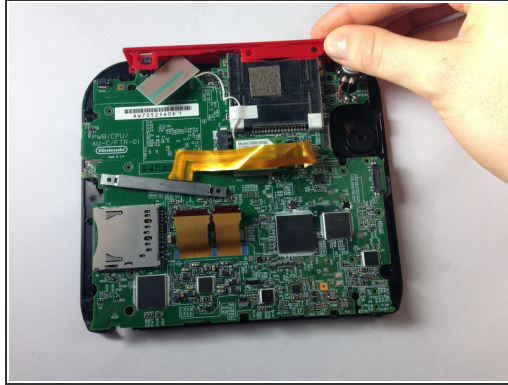
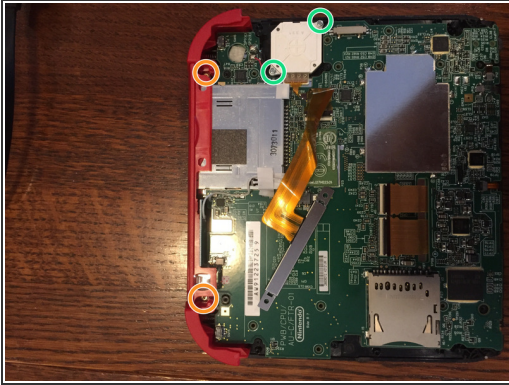
## Step 8 — Unscrew Motherboard



- Locate the 13 brass colored, 1.587 mm Phillips #000 screws that hold the motherboard in place and remove them using a Phillips head 000 screwdriver.

**!** Be **very** careful not to strip any of these screws. Stripping can occur very easily, and may make replacement of the motherboard impossible.

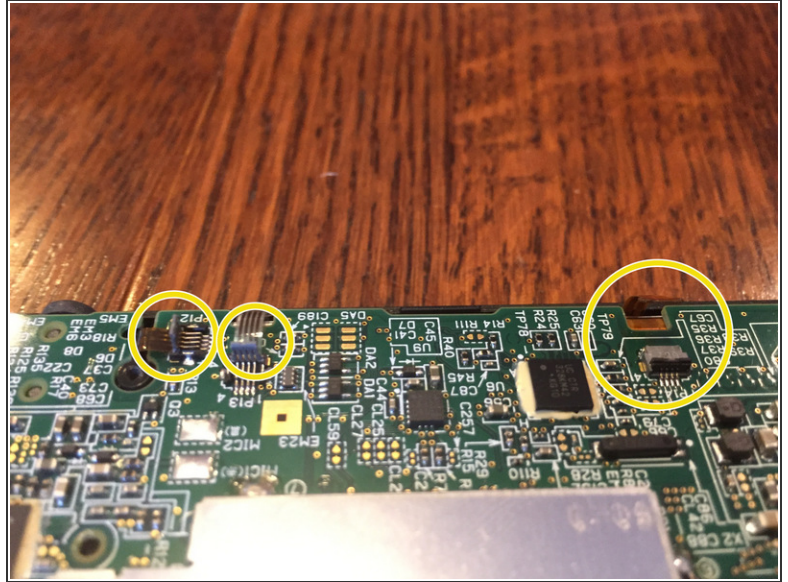
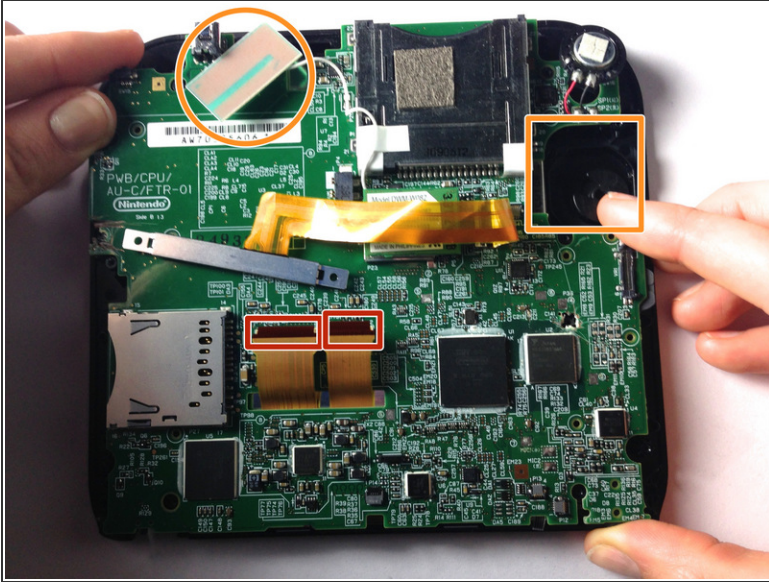
## Step 9 — Remove Top Panel



- i The top panel can only be removed when the mother board is not secured.
- There are two additional screws located on the top rail. Remove these to fully remove the buttons and top rail.
- There are two screws holding down the joystick base that must be removed. (Be careful of the ribbon cable—it stays connected!)
- Hold the top panel with your fingers and pull away from the device to remove it.
- i The top panel should come off easily, with very little force applied.



## Step 10 — Remove Motherboard



- Detach the 2 ribbon cables by lifting the black flip connectors that hold them.
- Lift out the rectangular board seated in the face and lift out the white square which is the joystick motor (takes a little effort). Both stay attached to the motherboard.
- On some models, you'll need to remove three more tiny ribbon cables at the bottom of the screen. They are secured by flip up connectors. BE GENTLE!
- Holding the motherboard on either side, lift to remove it.

To reassemble your device, follow these instructions in reverse order.

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